AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended): A protein chip reagent utilizing a cell-free protein synthesis system which comprises the following elements:

~~a:~~ a translation reaction solution containing cell extract for a cell-free protein synthesis comprising a wheat embryo extract wherefrom endosperm components and low-molecular weight protein synthesis inhibitors are substantially removed, substances necessary for protein synthesis containing a substrate and an energy source, and a specific translation template ~~is added~~ for adding to ~~each~~ one or more different ~~well~~ wells of a container which is partitioned in plural sections;

~~b: at least the substances necessary for protein synthesis containing substrate and energy source and a specific translation template are added to the well mentioned in "a";~~ ~~and~~ wherein

~~c:~~ the protein chip reagent ~~solution in the well mentioned in "b"~~ is a freeze-dried preparation, prepared by freeze drying ~~(by freeze-drying)~~.

2. (Currently amended): A protein chip reagent utilizing a cell-free protein synthesis system which comprises the following elements:

~~a:~~ a translation reaction solution containing cell extract for a cell-free protein synthesis comprising a wheat embryo extract wherefrom endosperm components and low-molecular weight protein synthesis inhibitors are substantially removed, substances necessary for protein synthesis containing substrate and energy source, a specific translation template, a protein, and a deliquescent substance ~~is added~~ for adding to ~~each~~ one or more different ~~well~~ wells of a container

which is partitioned in plural sections;

~~b: at least the substances necessary for protein synthesis containing substrate and energy source and a specific translation template are added to the well mentioned in "a";~~ wherein

~~c: the solution in the well mentioned in "b"~~ the protein chip reagent is a freeze-dried preparation, prepared by freeze drying ~~(by freeze-drying)~~; and

~~d:~~ an amount of ~~a~~ the deliquescent substance in the freeze-dried preparation ~~in the well mentioned in "c"~~ is less than 0.01 part by weight ~~or less to 1 part by weight~~ of the protein in the ~~said~~ freeze-dried preparation.

3. (Currently amended): A protein chip reagent utilizing a cell-free protein synthesis system which comprises the following elements:

~~a:~~ a translation reaction solution containing cell extract for a cell-free protein synthesis comprising a wheat embryo extract wherefrom endosperm components and low-molecular weight protein synthesis inhibitors are substantially removed, substances necessary for protein synthesis containing a substrate and an energy source, a specific translation template, a protein, and a deliquescent substance, ~~is~~ for ~~added~~ adding to ~~each~~ different ~~well~~ wells of a container which is partitioned in plural sections;

~~b: at least the substances necessary for protein synthesis containing substrate and energy source and a specific translation template are added to the well mentioned in "a";~~ wherein

~~c:~~ the ~~solution in the well mentioned in "b"~~ protein chip reagent is a freeze-dried preparation prepared by freeze drying ~~(by freeze-drying);~~

~~d:~~ an amount of ~~a~~ the deliquescent substance in the freeze-dried preparation ~~in the well mentioned in "c"~~ is less than 0.01 part by weight ~~or less to 1 part by weight~~ of the protein in the ~~said~~ freeze-dried preparation; and

~~e:~~ ~~different kind type of translation template is~~ a plurality of different translation templates are contained in each of the different wells of the container ~~the solution mentioned in "b" and makes~~ for making two or more kinds of proteins synthesizable in each different well of the container ~~which is partitioned in plural sections~~.

4. (Currently amended): A protein chip reagent utilizing a cell-free protein synthesis system which comprises the following elements:

~~a:~~ a translation reaction solution containing cell extract for a cell-free protein synthesis comprising a wheat embryo extract wherefrom endosperm components and low-molecular weight protein synthesis inhibitors are substantially removed, substances necessary for protein synthesis containing substrate and energy source, a specific translation template, a protein, and a deliquescent substance ~~is added to each~~ for adding to one or more different ~~well~~ wells of a container which is partitioned in plural sections;

~~b: at least the substances necessary for protein synthesis containing substrate and energy source and a specific translation template are added to the well mentioned in "a"~~; wherein

~~c:~~ the ~~solution in the well mentioned in "b"~~ protein chip reagent is a freeze-dried preparation prepared by freeze drying ~~(by freeze-drying);~~

~~d:~~ an amount of ~~a~~ the deliquescent substance in the freeze-dried preparation ~~in the well mentioned in "c"~~ is less than 0.01 part by weight ~~or less to 1 part~~ by weight of the protein in the ~~said~~ freeze-dried preparation;

~~e:~~ ~~different kind type of translation template is~~ a plurality of different translation templates are contained in each of the different wells of the container ~~the solution mentioned in "b" and makes~~ for making two or more kinds of proteins synthesizable in each different well of the container ~~which is partitioned in plural sections~~; and

~~f.~~ a protein synthesized from the translation template ~~is~~ , the protein being modified for fixation ~~and is also~~ to a well and/or carrier, the well and/or carrier being coated with a substance having affinity ~~to a substance added by the said modification for fixation to a surface in the well and/or a carrier in the well~~ for the protein that is modified for fixation.

5. (Currently amended): The protein chip reagent utilizing a cell-free protein synthesis system ~~according to~~ of claim 4, wherein the modification for fixation is at least one which is selected from ~~making into avidin, biotin, streptoavidin~~ avidinylation, biotinylation, streptavidinylation, and His tag.

6. (Currently amended): A kit for a cell-free protein synthesis containing the protein chip reagent utilizing a cell-free protein synthesis system ~~mentioned in~~ of claim 1.

7. (Withdrawn): A test method for an interacting substance with a specific protein translated from a specific translation template containing the following elements where a reagent mentioned in claim 1 is used,

(1) a protein chip reagent utilizing a cell-free protein synthesis system is dissolved upon each use;

(2) after dissolving, conditions for a protein translation reaction are regulated to synthesize a specific protein;

(3) a substance to be detected is added and it is confirmed whether the interaction with the specific protein which is synthesized upon each use takes place; and

(4) the interacted substance is judged either qualitatively or quantitatively using a marker.

8. (Currently amended): A kit for ~~a~~ cell-free protein synthesis containing the protein chip reagent utilizing a cell-free protein synthesis system ~~mentioned in~~ of claim 2.

9. (Currently amended): A kit for ~~a~~ cell-free protein synthesis containing the protein chip

reagent utilizing a cell-free protein synthesis system ~~mentioned in~~ of claim 3.

10. (Currently amended): A kit for ~~a~~ cell-free protein synthesis containing the protein chip reagent utilizing a cell-free protein synthesis system ~~mentioned in~~ of claim 4.

11. (Currently amended): A kit for ~~a~~ cell-free protein synthesis containing the protein chip reagent utilizing a cell-free protein synthesis system ~~mentioned in~~ of claim 5.

12. (Withdrawn): A test method for an interacting substance with a specific protein translated from a specific translation template containing the following elements where a reagent mentioned in claim 2 is used,

(1) a protein chip reagent utilizing a cell-free protein synthesis system is dissolved upon each use;

(2) after dissolving, conditions for a protein translation reaction are regulated to synthesize a specific protein;

(3) a substance to be detected is added and it is confirmed whether the interaction with the specific protein which is synthesized upon each use takes place; and

(4) the interacted substance is judged either qualitatively or quantitatively using a marker.

13. (Withdrawn): A test method for an interacting substance with a specific protein translated from a specific translation template containing the following elements where a reagent mentioned in claim 3 is used,

(1) a protein chip reagent utilizing a cell-free protein synthesis system is dissolved upon each use;

(2) after dissolving, conditions for a protein translation reaction are regulated to synthesize a specific protein;

(3) a substance to be detected is added and it is confirmed whether the interaction with

the specific protein which is synthesized upon each use takes place; and

(4) the interacted substance is judged either qualitatively or quantitatively using a marker.

14. (Withdrawn): A test method for an interacting substance with a specific protein translated from a specific translation template containing the following elements where a reagent mentioned in claim 4 is used,

(1) a protein chip reagent utilizing a cell-free protein synthesis system is dissolved upon each use;

(2) after dissolving, conditions for a protein translation reaction are regulated to synthesize a specific protein;

(3) a substance to be detected is added and it is confirmed whether the interaction with the specific protein which is synthesized upon each use takes place; and

(4) the interacted substance is judged either qualitatively or quantitatively using a marker.

15. (Withdrawn): A test method for an interacting substance with a specific protein translated from a specific translation template containing the following elements where a reagent mentioned in claim 5 is used,

(1) a protein chip reagent utilizing a cell-free protein synthesis system is dissolved upon each use;

(2) after dissolving, conditions for a protein translation reaction are regulated to synthesize a specific protein;

(3) a substance to be detected is added and it is confirmed whether the interaction with the specific protein which is synthesized upon each use takes place; and

(4) the interacted substance is judged either qualitatively or quantitatively using a marker.